|  | of Claims |  |
|--|-----------|--|
|  |           |  |

| App | lication | /Control | No. |
|-----|----------|----------|-----|
|-----|----------|----------|-----|

10/618,637 Examiner

Tu X. Nguyen

Applicant(s)/Patent under Reexamination

MOK, JIN-YOUNG

Art Unit

2618

| ✓ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Restricted

| N | Non-Elected |
|---|-------------|
|   |             |

Interference

| A | Appeal   |
|---|----------|
| 0 | Objected |

| C  | aim      | Date    |                 |          |                                     | Claim Date                                       |            |                    |          |           |                  |          |          | $\neg$          | Claim Date |           |          |   |  |          |             |                      |            |          |                         |              |              |                 |          |  |  |
|--|----------|---------|-----------------|----------|-------------------------------------|--|------------|--------------------|----------|-----------|------------------|----------|----------|-----------------|------------|-----------|----------|---|--|----------|-------------|----------------------|------------|----------|-------------------------|--------------|--------------|-----------------|----------|--|--|
| 01   |          | -       |                 |          |                                     |  |            |                    |          |           | <u>C</u>         |          | Date     |                 |            |           |          |   |  |          |             |                      |            |          |                         |              |              |                 |          |  |  |
| Final  | Original | 4/18/06 |                 |          |                                     |  |            |                    |          |           | Final            | Original |          |                 |            |           |          |   |  |          |             | Final                | Original   |          |                         |              |              |                 |          | į  |  |
| <u> </u>   | 1        | V       | $\vdash$        |          | -                                   | ╁  | ╁          | ┼-                 | ╀┈       | Н         |                  | 51       | ├-       | ┝               | H          | Н         |          |   | _  | -        |             | <u> </u>             | 101        | $\vdash$ | +-                      | +            | ╄            | ┼-              | <b>-</b> | <u> </u>                                     | <u> </u>   |
| <u> </u>   | 2        | V       | $\vdash$        | _        | $\vdash$                            | ⊢  | +-         | ╁                  | $\vdash$ | Н         |                  | 52       | ┢        | ┢               | -          | $\dashv$  |          | $\dashv$  |  | -        |             | -                    | 102        | $\vdash$ | +                       | +-           | ╀            | ⊢               | ⊢        | ├-   | ├-   |
| <b></b>  | 3        | v       | $\vdash$        |          | $\vdash$                            | H  | ╁╌         | ╁                  | $\vdash$ | Н         |                  | 53       | -        | $\vdash$        |            | -         | -        | $\dashv$  | $\dashv$                                       | $\dashv$ |             |                      | 103        | $\vdash$ | -                       | ╁            | ┿            | +-              | ⊢-       | -  | <del>-</del>                                     |
|  | 4        | v       | $\vdash$        |          |                                     | 1  | ╁          | $\vdash$           | $\vdash$ | Н         | -                | 54       | ╁        | H               |            |           | $\dashv$ |   | $\dashv$                                       | $\dashv$ |             |                      | 103        | $\vdash$ | +                       | ╁            | ╁╌           | ╁               | $\vdash$ | -  | $\vdash$   |
|  | 5        | v       | $\vdash$        | -        |                                     | <del>                                     </del> | $\vdash$   | $\vdash$           | ╁        | Н         | -                | 55       | ╁╌       | -               | H          |           | $\dashv$ | -   | $\dashv$                                       |          | -           |                      | 105        | +        | +                       | +            | ╁╌           | ╫               | H        |  | $\vdash$   |
|  | 6        | v       | H               |          | ┢╌                                  | 1  | t          | ╁╌                 | $\vdash$ | Н         | -                | 56       | ┢        | $\vdash$        | Н          | _         |          | -   | +  | $\dashv$ | -1          | -                    | 106        | $\vdash$ | +                       | +            | ╁            | +               | Н        | $\vdash$                                     | ⊢  |
|  | 7        | v       | Н               | _        | $\vdash$                            | T  | t          | 1                  | I        | Н         | -                | 57       | 1        | -               | Н          | _         | $\dashv$ | $\dashv$  | $\dashv$                                       | -        | $\dashv$    | <b>-</b>             | 107        | $\vdash$ | +                       | ╁            | ╁╴           | $\vdash$        | Н        |  |  |
|  | 8        | 1       | П               |          | $\vdash$                            | <b>†</b>   | T          | T                  | $\vdash$ | П         | _                | 58       | Г        | ┢               | Н          |           | _        | $\dashv$  | $\dashv$                                       | $\dashv$ | <b>-</b>  - |                      | 108        |          | +                       | ╁╴           | $\vdash$     | t               | Н        | -  |  |
|  | 9        | 7       | П               |          |                                     | Ι-   | T          | Ī                  |          | П         |                  | 59       |          | $\vdash$        | Н          |           |          | ┪   | _  | $\dashv$ | $\dashv$    |                      | 109        | $\vdash$ | +                       | ╈            | ╆            | 1               | Н        | -  | _  |
|  | 10       | 7       | П               |          | Г                                   |  | Г          |                    | T        | П         |                  | 60       |          |                 |            |           | $\dashv$ | 一   | 寸  | _        | $\neg$      | -                    | 110        |          | +                       | +            | ╁            | †               | Н        |  | H  |
|  | 11       | 1       | П               |          |                                     |  |            |                    |          |           |                  | 61       | Г        |                 |            |           |          | ヿ   | T  | 寸        |             |                      | 111        |          | 1                       | 十            | ╁            | $\vdash$        | П        | $\vdash$                                     | $\vdash$   |
|  | 12       | 7       |                 |          |                                     |  |            |                    |          |           |                  | 62       |          |                 |            |           |          |   | T  | ┪        |             |                      | 112        |          | 1                       | $\top$       | T            | 1               | П        | $\sqcap$                                     | Г  |
|  | 13       | 7       |                 |          |                                     |  |            |                    |          |           |                  | 63       |          |                 |            |           |          |   |  |          |             |                      | 113        |          | 1                       | T            | 1            | Π               | П        | $\overline{}$                                | Г  |
|  | 14       | 1       | L               |          |                                     |  |            | $oxedsymbol{oxed}$ |          | $\Box$    |                  | 64       | 匚        |                 |            |           |          |   |  | $\Box$   |             |                      | 114        |          |                         |              |              |                 |          |  |  |
| L  | 15       | 1       | Ш               |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |  | <u> </u>   | $oxed{oxed}$       |          | Ш         |                  | 65       |          | $\Box$          |            |           |          | $\Box$  | $\Box$   | $\Box$   |             |                      | 115        |          | I                       | Ι            |              |                 |          |  |  |
|  | 16       | 1       | Ш               |          |                                     | L  | ╙          |                    | <u> </u> | Ш         |                  | 66       |          | Ш               |            | $\Box$    |          | $\Box$  |  |          |             |                      | 116        |          |                         |              |              |                 |          |  |  |
|  | 17       | 1       |                 |          |                                     | L  | <u> </u>   | L                  | L        | Ш         |                  | 67       | 乚        |                 |            | ᆜ         | _        | _   | _  | $\dashv$ |             |                      | 117        |          |                         |              |              |                 |          |  |  |
|  | 18       | ٧       | Ш               |          |                                     | _  | <u> </u>   | L                  | <u> </u> | Ш         |                  | 68       | _        |                 |            | _         | _        | _   | $\dashv$                                       | _        | _           |                      | 118        |          | $\perp$                 | 丄            |              |                 |          |  |  |
| <u> </u>   | 19       | ٧       | Н               |          | <u> </u>                            | <u> </u>   | _          | ļ                  | _        |           |                  | 69       | <u> </u> | Щ               | $\Box$     |           | _        | _   | _  | _        | _           |                      | 119        |          | ┵                       | _            | <u> </u>     |                 | Ш        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ |  |
| <u> </u>   | 20       | ٥       | Н               |          | <u> </u>                            | ⊢  | <u> </u>   | ├                  | -        | Н         |                  | 70       |          | Ш               | -          | _         | _        | 4   | _  | 4        | _           |                      | 120        | $\perp$  | $\bot$                  | L            |              | <u> </u>        | Ш        |  |  |
|  | 21       | 0       | -               | _        | _                                   | <u> </u>   | ├          | <u> </u>           | ⊢        | $\square$ |                  | 71       | <u> </u> | Ш               |            | _         | _        |   | 4  | _        | _           |                      | 121        |          | _                       | ↓_           | <u> </u>     | L               | Ш        | لسا  |  |
|  | 22       | 0       | Н               |          | <u> </u>                            | -  | ├          | ├_                 | ├        | Н         |                  | 72       | <u> </u> | Щ               |            | _         |          | 4   | _  | _        | _           |                      | 122        |          | 4                       | 4            | <u> </u>     | _               | Ш        |  |  |
| <u> </u>   | 23<br>24 | 0       | $\vdash$        | _        | _                                   | ┢  | ├-         | <del> </del>       | ├        | Н         | <u> </u>         | 73       | _        |                 |            | -         | _        | 4   | $\dashv$                                       | 4        |             |                      | 123        | 4        | _                       | ╄.           | ╙            | _               | Ш        |  |  |
|  | 25       | 0       | $\vdash$        |          |                                     | -  | ⊢          | ┡                  | ⊢        | Н         | -                | 74       | <u> </u> | Н               | -          |           | -        | -   | $\dashv$                                       | $\dashv$ | _           |                      | 124        | _        | $\bot$                  | ╀            | ╄            | <u> </u>        | Ш        |  | <u> </u>   |
| -  | 26       | 0       | $\vdash$        | _        | $\vdash$                            | ⊢  | ├          | <del> </del>       | ┝┈       | Н         | <b></b>          | 75<br>76 |          | Н               | $\dashv$   |           | -        | $\dashv$  | +  | +        |             |                      | 125        | -        | -                       | -            | ┡            | ▙               | $\vdash$ |  | <u> </u>   |
| <del>                                     </del> | 27       | 0       | Н               |          | _                                   | $\vdash$   | ├          | $\vdash$           | ├        | Н         |                  | 77       |          | Н               | $\dashv$   | -         | $\dashv$ |   | $\dashv$                                       | $\dashv$ | _           | -                    | 126<br>127 | $\dashv$ | +                       | -            | ╄            | L               | $\vdash$ |  | <u> </u>   |
|  | 28       | 0       | $\vdash$        | $\dashv$ | _                                   | ⊢  | ├-         | ┢                  | ├        | H         | -                | 78       | -        | Н               |            | $\dashv$  | ┥        | $\dashv$  | $\dashv$                                       | +        | -           |                      | 128        | $\dashv$ | +                       | +-           | ╁            |                 | Н        |  | <u> </u>   |
| <u> </u>   | 29       | v       | $\vdash$        | $\dashv$ | _                                   | ╁─   | ├          | ┝╌                 | ┢        | H         |                  | 79       | ├─       | Н               | -          | -         | $\dashv$ | $\dashv$  | -+   | $\dashv$ | $\dashv$    | -                    | 129        | -        | +                       | +            | +-           | -               | Н        |  | <del> </del>                                     |
|  | 30       | v       | Н               |          |                                     | $\vdash$   |            |                    |          | Н         |                  | 80       | ┝        | $\vdash$        | $\dashv$   |           | _        | $\dashv$  | -+   | $\dashv$ | $\dashv$    | $\vdash$             | 130        | -        | +                       | +            | ╀─           | ├               | $\vdash$ | $\dashv$                                     | <del>                                     </del> |
|  | 31       | v       | Н               |          |                                     | ┢  | Г          |                    | -        | Н         | -                | 81       | $\vdash$ | Н               | $\dashv$   | _         | $\dashv$ | $\dashv$  | 十  | $\dashv$ | ┥           |                      | 131        | +        | +                       | ╁            | ╁╌           | ┢               | -        | $\dashv$                                     |  |
|  | 32       | ٧       |                 |          |                                     |  | İ          |                    | -        | $\vdash$  |                  | 82       |          | Н               |            |           | _        | _   | $\dashv$                                       | 十        | -           | $\vdash$             | 132        | $\dashv$ | +                       | +-           | ╁            |                 | $\vdash$ | $\dashv$                                     |  |
|  | 33       |         |                 |          |                                     | Г  |            |                    |          | П         |                  | 83       |          | П               |            | _         | $\dashv$ | _   | _  | 十        | ᅱ           |                      | 133        | $\top$   | +                       | +-           | $\vdash$     | H               | $\sqcap$ | $\dashv$                                     |  |
|  | 34       |         |                 |          |                                     |  |            |                    |          |           |                  | 84       | Т        | $\sqcap$        | $\dashv$   | 1         | 寸        | $\dashv$  | 1  | 寸        | $\dashv$    |                      | 134        | $\dashv$ | $\top$                  | 1-           | T            |                 | $\Box$   | $\dashv$                                     |  |
|  | 35       |         |                 |          |                                     |  |            |                    |          |           |                  | 85       |          |                 |            | $\exists$ |          |   | $\dashv$                                       | $\dashv$ | 7           |                      | 135        | $\top$   | 1                       | 1            | Т            |                 | $\sqcap$ | $\neg$                                       |  |
| $oxed{oxed}$                                     | 36       |         | Ш               |          |                                     |  |            |                    |          |           |                  | 86       |          |                 |            | J         |          |   |  |          |             |                      | 136        |          | $\top$                  | 1            | T            |                 | $\sqcap$ |  | _  |
|  | 37       |         | Ш               |          |                                     | L  |            |                    |          |           |                  | 87       |          |                 |            |           |          |   | $\Box$   |          |             |                      | 137        |          |                         |              | $\Gamma$     |                 |          |  | _  |
| L  | 38       | _       | Ш               | _        |                                     | L  | L          | ╚                  |          |           |                  | 88       |          |                 |            |           |          | $oldsymbol{ol}}}}}}}}}}}}}}}$ |  |          |             |                      | 138        |          |                         |              |              |                 |          |  |  |
| <u> </u>   | 39       |         | Щ               | _        |                                     | <u> </u>   | <u> </u>   | <u> </u>           | Ш        |           |                  | 89       |          |                 |            | [         |          | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | _[       |             |                      | 139        |          | $oldsymbol{\mathbb{T}}$ | $oxed{\Box}$ |              |                 |          |  |  |
| oxdot  | 40       | _       | $\sqcup$        | _        |                                     | L  | _          | ╙                  | Щ        |           | $\Box$           | 90       | Ш        | Ш               | _          | [         | _[       | $\perp$   | $\perp$  | $\perp$  |             |                      | 140        |          | $\perp$                 |              |              |                 |          |  |  |
|  | 41       |         | $\vdash \vdash$ | _        |                                     | $\vdash$   | <b> </b> _ | <u> </u>           | L.       | Щ         | $\perp$          | 91       | <u> </u> | $\sqcup$        | _          | _         |          | _   |  | $\perp$  | $\Box$      | $\perp \perp$        | 141        |          | $\perp$                 |              | 匚            |                 | $\Box$   |  |  |
| $\vdash$   | 42<br>43 |         | $\vdash \vdash$ | -        | _                                   | $\vdash$   | $\vdash$   | $\vdash$           | $\vdash$ | Щ         | $\vdash$         | 92       | $\sqcup$ | Щ               | _          | _         | -        | _   | _  | 4        |             | $\square$            | 142        |          | _                       | 1            | L            | Ш               | Щ        | _]   |  |
| $\vdash \dashv$                                  | 43       | -       | $\vdash$        | $\dashv$ | $\dashv$                            | $\vdash$   | -          | $\vdash$           | Н        | $\dashv$  |                  | 93       |          | $\vdash$        |            |           | -+       | 4   | $\dashv$                                       | +        | $\dashv$    | $\vdash$             | 143        | _        | $\bot$                  | ↓_           | $\vdash$     | Щ               | $\dashv$ |  |  |
| -  | 45       |         | $\vdash$        |          | $\dashv$                            | $\vdash$   | <u> </u>   | $\vdash$           | $\vdash$ | $\dashv$  | $\vdash$         | 94<br>95 |          | $\vdash \vdash$ | -          | $\dashv$  | $\dashv$ | $\dashv$  | +  | +        | $\dashv$    | $\vdash$             | 144        | $\dashv$ | +                       | +-           | ⊢            | $\vdash$        | $\dashv$ | _  |  |
| ┝╌┤  | 46       |         | $\vdash$        | $\dashv$ | $\dashv$                            | $\vdash$   | Н          | $\vdash$           | $\vdash$ | $\dashv$  | +-+              | 96       | ۲.       | $\dashv$        | $\dashv$   | $\dashv$  | $\dashv$ |   | +  | +        | $\dashv$    | $\vdash$             | 145        |          | +                       | +            | $\vdash$     | $\vdash \vdash$ | _        |  | _  |
| $\vdash \vdash$                                  | 47       |         | $\vdash$        | $\dashv$ | -                                   | _  | Н          | $\vdash$           | $\vdash$ | $\dashv$  | $\vdash$         | 97       | $\vdash$ | $\dashv$        | +          | $\dashv$  | $\dashv$ | -+  | +  | +        | $\dashv$    | $\vdash$             | 146        |          | +-                      | ╀            | ــ           | Н               | $\dashv$ |  |  |
| $\vdash$   | 48       |         | $\dashv$        | $\dashv$ |                                     | _  | Н          | H                  | H        | $\dashv$  | <del>     </del> | 98       |          | $\vdash$        | -          | +         | $\dashv$ | +   | +  | +        | $\dashv$    | <del></del>          | 147<br>148 | +        | ╁                       | +            | -            | H               | $\dashv$ | $\dashv$                                     | —  |
| $\Box$   | 49       | _       |                 | $\dashv$ | $\dashv$                            | H  | Н          | $\vdash$           | Н        | $\dashv$  | <del>  </del>    | 99       |          | -               | $\dashv$   | -+        | +        | $\dashv$  | ╁  | +        | $\dashv$    | $\vdash\vdash\vdash$ | 149        | -        | +                       | +            | ╁            | Н               |          | $\dashv$                                     |  |
|  | 50       | _       | $\dashv$        | $\dashv$ | $\dashv$                            | Н  | Н          | Н                  | $\vdash$ | $\dashv$  | $\vdash$         | 100      | $\dashv$ | $\dashv$        | -+         | +         | $\dashv$ | +   | $\dashv$                                       | +        | $\dashv$    | <del>  </del>        | 150        | +        | +                       | +            | <del> </del> | $\vdash \vdash$ | $\dashv$ | $\dashv$                                     |  |
|  |          |         |                 |          |                                     | لــــا   |            |                    | ш        |           | ш                | .00      |          |                 |            |           |          |   |  |          |             | $\Box$               | 130        | L        | _                       |              | Щ            | ш               |          |  |  |